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OM protein - protein search, using sw model

Run on: December 27, 2001, 16:54:02 ; Search time 25.08 Seconds
(without alignments)
209.959 Million cell updates/sec

Title: US-09-830-647-2

Perfect score: 1206

Sequence: 1 MMSGAMRIRSKHFGGIGIV.....LKKPFVKVEDMSQSPAVHLM 234

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PCYUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfilest1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	88	7.3	617	1	US-08-361-920-29
2	88	7.3	617	1	US-08-479-939-29
3	88	7.3	617	1	US-08-483-432-29
4	88	7.3	700	2	US-07-862-588B-2
5	85	7.0	536	4	US-09-188-930-185
6	85	7.0	976	4	US-08-894-997-50
7	84	7.0	787	4	US-09-188-930-334
8	80.5	6.7	364	4	US-09-085-305-6
9	79	6.6	1196	1	US-08-144-121-4
10	79	6.6	1196	2	US-08-735-893-4
11	77.5	6.4	859	1	US-08-053-614-2
12	77.5	6.4	859	1	US-08-316-397B-2
13	77.5	6.4	859	2	US-09-034-306-2
14	77.5	6.4	859	4	US-09-259-437-2
15	77.5	6.4	859	5	PCT-US93-09782-2
16	77.5	6.4	1181	1	US-08-053-614-4
17	77.5	6.4	1181	1	US-08-316-397B-4
18	77.5	6.4	1181	2	US-09-034-306-4
19	77.5	6.4	1181	4	US-09-259-437-4
20	77.5	6.4	1181	5	PCT-US93-09782-4
21	77.5	6.4	260	1	US-08-256-964A-17
22	76.5	6.3	259	6	5212074-3
23	76.5	6.3	367	3	US-09-141-047-10
24	76.5	6.3	351	4	US-09-080-983-11
25	76.5	6.3	688	3	US-09-141-047-8
26	76.5	6.3	776	1	US-08-021-601-2
27	76.5	6.3	776	1	US-08-083-849B-2

28	76.5	6.3	776	5	PCT-US94-01624-2	Sequence 2, Appl
29	76	6.3	231	1	US-08-168-091A-4	Sequence 4, Appl
30	76	6.3	361	3	US-09-032-372-12	Sequence 12, Appl
31	75.5	6.3	408	4	US-09-315-793-32	Sequence 32, Appl
32	75.5	6.3	556	2	US-08-505-377-1	Sequence 1, Appl
33	75.5	6.3	556	3	US-08-798-269-1	Sequence 1, Appl
34	75.5	6.3	563	2	US-08-714-168-1	Sequence 1, Appl
35	75.5	6.3	563	4	US-09-320-721A-1	Sequence 1, Appl
36	75.5	6.3	887	1	US-07-596-467-2	Sequence 2, Appl
37	75.5	6.3	887	1	US-07-934-374-2	Sequence 2, Appl
38	75.5	6.3	887	1	US-07-783-861C-4	Sequence 4, Appl
39	75	6.2	461	4	US-08-764-870-3	Sequence 3, Appl
40	75	6.2	461	4	US-08-980-115-3	Sequence 3, Appl
41	74.5	6.2	500	2	US-08-314-601-2	Sequence 2, Appl
42	74.5	6.2	500	5	PCT-US95-13051-2	Sequence 2, Appl
43	74	6.1	265	3	US-08-483-577A-158	Sequence 138, App
44	74	6.1	265	4	US-08-897-438-158	Sequence 158, App
45	74	6.1	310	3	US-08-483-577A-157	Sequence 157, App

ALIGNMENTS

RESULT 1
US-08-361-920-29
; Sequence 29, Application US/08361920
; Patent No. 3457046
; GENERAL INFORMATION:
; APPLICANT: Woelike, Helle F.
; APPLICANT: Hagen, Frederick
; APPLICANT: Hort, Carsten M.
; APPLICANT: Sten, Hestrup
; TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose
; TITLE OF INVENTION: or Hemicellulose
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
; ADDRESS: No. 5457046 No. 5457046disk of No. 5457046th America, Inc.
; STREET: 405 Lexington Avenue, 62nd Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/361,920
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/940,860
; FILING DATE: 28-OCT-1992
; APPLICATION NUMBER: DK 1158/90
; FILING DATE: 09-MAY-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/DK91/00124
; FILING DATE: 08-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; TELEPHONE: 212-867-0123
; TELEFAX: 212-867-0298
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 617 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-361-920-29

[illegible]

RESULT 2
 US-08-479-939-29
 : Sequence 29, Application US/08479939
 : Patent No. 5686593
 :
 : GENERAL INFORMATION:
 : APPLICANT: Moeldike, Helle F.
 : APPLICANT: Hagen, Frederick
 : APPLICANT: Rhotl, Carsten M.
 : APPLICANT: Sven, Hestrup
 : TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose
 : TITLE OF INVENTION: or Hemicellulose
 : NUMBER OF SEQUENCES: 85
 :
 : CORRESPONDENCE ADDRESSES:
 : ADDRESSEE: No. 56865930 No. 5686593disk of No. 5686593ch America, Inc
 : STREET: 405 Lexington Avenue, 62nd Floor
 : CITY: New York
 : STATE: New York
 : COUNTRY: United States of America
 : Zip: 10174-6201
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patentin Release #1.0, Version #1.25
 :
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/479,939
 : FILING DATE: 07-JUN-1995
 :
 : CLASSIFICATION: 435
 :
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US/08/361,920
 : FILING DATE: 22-DEC-1994
 : APPLICATION NUMBER: US 07/940,860
 : FILING DATE: 28-OCT-1992
 : APPLICATION NUMBER: DK 1158/90
 : FILING DATE: 09-MAY-1990
 :
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: PCT/DK91/00124
 : FILING DATE: 08-MAY-1991
 :
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Lambiris, Elias J.
 : REGISTRATION NUMBER: 33,728
 : REFERENCE/DOCKET NUMBER: 3435.204-US
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 212-867-0123
 : TELEFAX: 212-867-0298
 :
 : INFORMATION FOR SEQ ID NO: 29:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 617 amino acids
 : TYPE: amino acid
 : TOPOLOGY: linear

```

?      MOLECULE TYPE:   protein
us-08-479-939-29

Query Match
Best Local Similarity  7.3%; Score 88; DB 1; Length 617;
Matches 54; Conservative 35; Mismatches 83; Indels 54; Gaps 12;

OY  20  YNKKRPSRLSLKTDNRPKSCCKPLNGKY-FLYLDPSVTSISEKLODIDGGRREP 78
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   134  VSDNRKNGPVDES-----ETAPSRNDKVEFAKNPF-----SLQDPLND--GQY-Y 176

OY  79  LNSDLSYILSNKKKAKFAQTLGRLSPVSPSSATTAETSPHSDGSSFSPPYOLSR 138
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   177  MDEEVEFLNRYGNASTSTGIRKYS--LDNEPALMSET---HRIHPEQLDAAELVAKS-- 230

OY  139  GKLYEKAIKOHDFPNSNLSLNAALSGWYKLIHLD-----IRYIEBKKK 184
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   231  --IDSKAKKND--PAAELFEPALGFGAYTSLQDAPDPMSIQGNYSMFIDYLLDMKN 286

OY  185  ELYLLKSKSTYRD-----GGRKY--GSGAQKTRTGRLKKP 218
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   287  AHTQNRKRLLYLVHWPPEAGGGGRLVFFGAGNIDLTQARVQA 332

```

RESULT 3
 US-08-483-432-29
 Sequence 29, Application US/08483432
 Patent No. 5763254
 GENERAL INFORMATION:
 APPLICANT: Moeldike, Helle F.
 APPLICANT: Hagen, Frederick
 APPLICANT: Hjort, Carsten M.
 APPLICANT: Sven, Hestrup
 TITLE OF INVENTION: An Enzyme Capable of Degrading Cellulose
 TITLE OF INVENTION: of Hemicellulose
 NUMBER OF SEQUENCES: 85
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 5763254d No. 5763254dsk of No. 5763254th America, Inc
 STREET: 405 Lexington Avenue, 62nd Floor
 City: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6201
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/483,432
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 APPLICATION DATA:
 PRIOR APPLICATION NUMBER: US/08/361,920
 FILING DATE:
 APPLICATION NUMBER: US 07/940,860
 FILING DATE: 28-OCT-1992
 APPLICATION NUMBER: DK 1158/90
 FILING DATE: 09-MAY-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/DK91/00124
 FILING DATE: 08-MAY-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambifis, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 3435.204-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-867-0298
 INFORMATION FOR SEQ ID NO: 29:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 617 amino acids


```
US-08-894-997-50
; Sequence 50, Application US/08894997A
; Patent No. 6270990
; GENERAL INFORMATION:
; APPLICANT: Anderson, David J
; APPLICANT: Schoenher, Christopher J
; TITLE OF INVENTION: NEURON-RESTRICTIVE SILENCER FACTOR
; FILE REFERENCE: 17810-502 NRSF
; CURRENT APPLICATION NUMBER: US/08/894,997A
; EARLIER FILING DATE: 1998-01-06
; EARLIER APPLICATION NUMBER: PCT/US96/02817
; EARLIER FILING DATE: 1996-03-01
; EARLIER APPLICATION NUMBER: 08/398,590
; SOFTWARE: Patentln Ver. 2.0
; NUMBER OF SEQ ID NOS: 55
; SEQ ID NO 50
; LENGTH: 976
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(976)
; OTHER INFORMATION: Human NSRP
; FEATURE:
; NAME/KEY: CHAIN
; LOCATION: (1)..(976)
; OTHER INFORMATION: Human NSRP
US-08-894-997-50

Query Match
Best Local Similarity 7.0%; Score 85; DB 4; Length 976;
Matches 50; Conservative 32; Mismatches 70; Indels 56; Gaps 11;

QY 18 IGVKKEKNRP-----SLKSLKTDNRPKSKCKPLMGKVFYLDLPVLTISEKIQDKIDL 71
DB 420 VKIKTKKKKEDLDLNNVSNKEMENQOTRK-----GVY-----SKKKEKPKAV 465
QY 72 GCHVEEFLSKDISLYLSINKKEAFQTLGRIS-PVSPESAATYETSPSPSH-DGSSFK 129
DB 466 G-----KDA-----KRRKPGSSVSVVQVTRTKRSAAVETAAAEVKKHTDQTON 511
QY 130 SPDTVCLSGKLLVEKAIKDHDFIPSNLSILNLSMGVYLIHDDIRYIEOKKELLYL 189
DB 512 NPERPC---KAKKKRKKKDEAHPDSEPNEG-----PYTKKKKSECK 552
QY 190 KKSTSVRDGGRVGS--GAQKTRTGRLK 217
DB 553 SKISTVNPFGGGRAEERPGYAK-OSASLKK 581

RESULT 7
US-09-188-930-334
; Sequence 334, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Steeman, Lorna
; APPLICANT: Steeman, Matthew
; APPLICANT: Ornst, Rene
; APPLICANT: Marison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; FILE REFERENCE: 11000.1011G
; CURRENT APPLICATION NUMBER: US/09/188,930A
; EARLIER FILING DATE: 1998-11-09
; CURRENT APPLICATION NUMBER: 11000.1011G
; SOFTWARE: FastSeq for Windows Version 3.0
; NUMBER OF SEQ ID NOS: 348
; SEQ ID NO 334
; LENGTH: 787
; TYPE: PRT
; ORGANISM: Mouse
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US-09-188-930-334

Query Match
Best Local Similarity 7.0%; Score 84; DB 4; Length 787;
Matches 63; Conservative 33; Mismatches 103; Indels 98; Gaps 12;

QY 11 KGHFQGIQVKKERKRPSTKTDNRPKSKCKPLMG-----KVFYLDLPV 58
DB 239 KGH-----RPLPI---CPRPRACASLIGLMQCHADPOVRPFQITSE 283
QY 59 T--ISKLOKIDKIDGKVEEFLSKDISLYLSINKKEAFQTLGRISPPV----- 106
DB 284 TEDCKRPDEYKDLAHPGKKS-----LESSEARPESSRLKRAAPPFNDCLSE 337
QY 107 -----SPESATYETSPSPSHDQ---SFPKSPDTVCLSGKILV--EKA 146
DB 338 LLSQDSGISQTLGEPFELSRSSECKLPSSSGKRLSGVSDAFSGSLSLFPERE 397
QY 147 IKDHPIS-----NLSLNLMSGVYLIHDDIRYIROPKKELLYL----- 189
DB 398 ASIGDLGFTIDQKKLYDAIISGDTSLMKILQPDVDLVDSASLLHLAVERAGEV 457
QY 190 -----KKSTSVRDGGRVGSQAQKTRTGRLKPFYKVEDMSQPAVH 232
DB 458 KMLLNANPNLTNRKSTPLHMAVERKGRGIYELLAR--KTSVNADEDOPTALH 512

RESULT 8
US-09-085-305-6
; Sequence 6, Application US/09085305
; Patent No. 6191269
; GENERAL INFORMATION:
; APPLICANT: Lovett, David H.
; APPLICANT: Turk, Johanna
; APPLICANT: Malignant Cancer Cells by Delivery of N-Terminal
; TITLE OF INVENTION: Selective Induction of Apoptosis in
; TITLE OF INVENTION: Interleukin-1-Alpha Pro-Piece Polypeptide
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESS: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/085,305
; FILING DATE: 29-MAY-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Francs, Carol L
; REGISTRATION NUMBER: 36,513
; REFERENCE/DOCKET NUMBER: 6510/102051
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3400
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 364 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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US-09-085-305-6

Query Match 6.7%; Score 80.5; DB 4; Length 364;
 Best Local Similarity 21.9%; Pred. No. 1.3;
 Matches 53; Conservative 25; Mismatches 93; Indels 71; Gaps 8;

QY 23 EKNRPSLSKLT-----NRPEKSKCKPLMKVFLDLPSTYISEK-----63
 DB 82 KKRRLSISOSITDDDLAIANDSEEEIIPKRSAPFLDPVATMVKSGELFTGVPPIL 141
 QY 64 --LOKDKIDGGRVEEFLKDISLISNKKKAKPAOTLGRISPVSP--ESAYTAETT 117
 DB 142 VELDDGVNGKHFVSXGEGEDAT--GKLTLKFTCTTGKL-PVMPFLVTTLYGVQCF 197
 QY 118 SPBPSH-----DGSSFKSPDVCISRGKILVEKAIKDHFI 153
 DB 198 SRYPDHKKOHDFKSAPEGVQERTIEFKDDGNVKTBAEVKFGDPLVNRLEIKGIDFK 257
 QY 154 PSNITLSNALSM-----GKILHIDIRYIEOKKELLYLLKSSSVR 197
 DB 258 EDGNILGHKLEYNYSNHYIMADOKNGIKVNF--RIRHNIEDGSVOLADHYQANTPIG 315
 QY 198 DG 199
 DB 316 DG 317

RESULT 9

US-08-144-121-4
 ; Sequence 4, Application US/08144121
 ; Patent No. 5610031

; GENERAL INFORMATION:

; APPLICANT: Burgeson, Robert E.

; APPLICANT: Wagon, David W.

; TITLE OF INVENTION: BLK CHAIN OF LAMININ AND METHODS OF USE

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COCKFIELD

; STREET: 60 State Street, suite 510

; CITY: BOSTON

; STATE: Massachusetts

; COUNTRY: United States

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/144,121

; FILING DATE: 27-OCT-1993

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: Myers, Paul L.

; REGISTRATION NUMBER: 35,965

; REFERENCE/DOCKET NUMBER: (MGH-0780.0) MGP-021

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400

; TELEFAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1196 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; FEATURE:

; NAME/KEY: Domain

; LOCATION: 1..250

; NAME/KEY: Domain

; LOCATION: 251..437

; FEATURE:

; NAME/KEY: Domain

; LOCATION: 438..807

; FEATURE:

; NAME/KEY: Domain

; LOCATION: 808..840

; FEATURE:

; NAME/KEY: Domain

; LOCATION: 841..1196

; US-08-144-121-4

Query Match 6.6%; Score 79; DB 1; Length 1196;
 Best Local Similarity 18.5%; Pred. No. 12;
 Matches 46; Conservative 44; Mismatches 73; Indels 86; Gaps 9;

QY 22 NEKNRPSLSKLT---TDNRPEKSKCKPLMKVFLDLPSTYISEKLODKIDGGRVEEF 78
 DB 907 NEELRNLIKQIRNFLTQDSALDSEIVANEVLMKEMST--PQLOQLMTEDIRVERESL 964
 QY 79 LSKDI-----SYLSNKKKAKPAOTLGRISFVPSPEAYTAETTSPIPHSDGS 126
 DB 965 SQVEYIIQHSADIAARAEMLEFEAKRSKSAVDVKTADVKEALEAE-----1013
 QY 127 SFKSPDVCISRGKILVEKAT--DHDFIPNSJIS-----NALSGVKIL 170
 DB 1014 -----KAQVAEKATKQADEDIQTQNLTSIESETAASETLFPNNSQ-----1056
 QY 171 HIDDRIYIEOKK-----KELYLLKSSSTVRDGGKRVSGAOKRTGRKL 216
 DB 1057 RISIELRVEELKRAAONSGAEYIEKVYTVVQASADVR-----KTLDSGLD 1105
 QY 217 KPEVKVEDM 225
 DB 1106 EKYKVENL 1114

RESULT 10

US-08-735-893-4

; Sequence 4, Application US/08735893

; Patent No. 5914317

; GENERAL INFORMATION:

; APPLICANT: Burgeson, Robert E.

; APPLICANT: Wagon, David W.

; TITLE OF INVENTION: BLK CHAIN OF LAMININ AND METHODS OF USE

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COCKFIELD

; STREET: 60 State Street, suite 510

; CITY: BOSTON

; STATE: Massachusetts

; COUNTRY: United States

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/735,893

; FILING DATE: 18-OCT-1996

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/144,121

; FILING DATE: 27-OCT-1993

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Myers, Paul L.

; REGISTRATION NUMBER: 35,965

; REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021DV

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400

; TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1196 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
FEATURE:
NAME/KEY: Domain
LOCATION: 1..250
FEATURE:
NAME/KEY: Domain
LOCATION: 251..437
FEATURE:
NAME/KEY: Domain
LOCATION: 438..807
FEATURE:
NAME/KEY: Domain
LOCATION: 808..840
FEATURE:
NAME/KEY: Domain
LOCATION: 841..1196
US-08-735-893-4

Query Match 6.6%; Score 79; DB 2; Length 1196;
Best Local Similarity 18.5%; Pred. No. 12;
Matches 46; Conservative 44; Mismatches 73; Indels 86; Gaps 9;
QY 22 NEKNRPSLSKLR--TDNRPEKSKCKPLMGKVFYLDLPSVTISEKLDKIDLGGRVEEF 78
DB 907 NEELRNLIKQIRNFILODSADSDSLEAVANEVLKMEPST--PQOLONTLEDTRERVSLL 964
QY 79 LSKDI-----SYLISNKKKFAQTLGRISHPSPSAYTAETTSPPSHSGS 126
DB 965 SQVEVITLQHSADIARAEMLLEAKRASKSATDVKVTADMKALEEAE----- 1013
QY 137 SFKSPDVCLSRCKLLEVAIK--DHFIPNSILS-----NALSNGVIL 170
DB 1014 -----KQVAAEAKAIKQADEIDGTONLITSESTAASETLFNASQ----- 1056
QY 171 HIDDRIYIQRK-----KELYLLKSSSTYVDGKRVGSAQKTRGRK 216
DB 1057 RISELERVVELRKAAQNSGEAYIEKYVTVKQSAEDYK-----KTLDGELD 1105
QY 217 KPEKVEDM 225
DB 1106 EKKKVENL 1114

RESULT 11
US-08-053-614-2
Sequence 2, Application US/08053614
Patent No. 5403924
GENERAL INFORMATION:
APPLICANT: COVER, TIMOTHY L.
APPLICANT: BLASER, MARTIN J.
APPLICANT: TOMMURU, MURALI K.R.
TITLE OF INVENTION: THE TAGA GENE AND METHODS FOR DETECTING
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 133 Carnegie Way, Suite 400
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/053.614
FILING DATE: 19930426
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SPRATT, GWENDOLYN D.
REGISTRATION NUMBER: 36,016
REFERENCE/DOCKET NUMBER: 2200.009
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-9880
TELEFAX: 404/688-0770
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 859 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-053-614-2

Query Match 6.4%; Score 77.5; DB 1; Length 859;
Best Local Similarity 20.8%; Pred. No. 11;
Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;
QY 3 SGAMRHSKGHFGGI-----QVNEKNRPSLSKLTQDNREPKSKCP 45
DB 382 TGSORALSOEIQNKIDFNEFLAQNNAKLSLSKEKEFRHEIKDFQDSKP----- 434
QY 46 LMGRVFLD-LPSVTISEKLDKIDLGGRVEEFLSKDISYL--ISNKKFAQTLGRI 102
DB 435 -----YLDALGDRIFAIVSKKDPKH--SALITFEKGDLSYTLKVGKKQIK--ALDRE 484
QY 103 SPVPSPSAYTAETTSPPSHSGSF-----KSPDT-VCLSG----- 139
DB 485 KNV-----TLQGNLKHGCVFVYNSFKYTNASKSPKNGVGVTVGSHLEAGFSK 534
QY 140 -----KLIVE-----KAIKDHFIPSN-SILSNALSG 166
DB 535 VAVENLNLNLNLAITSVRDLEDKLIAGLISPOEANKLVK--DFLSSKRELVGALNFN 592
QY 167 VKLIHIDDRIYIEQKKKELYL--LKSSSTYVDGKRVGSAQKTRGRKPFVVE 223
DB 593 KAVAEAKNTGYDEVYRAQKDLKRLKREHLEKDVAKNL-----ESKGNKNKMEAKAQ 647
QY 224 DMSQSPAV 231
DB 648 ANSQKDEI 655

RESULT 12
US-08-316-397B-2
Sequence 2, Application US/08316397B
Patent No. 5735740
GENERAL INFORMATION:
APPLICANT: COVER, TIMOTHY L.
APPLICANT: BLASER, MARTIN J.
APPLICANT: HARRY KLEANTHOOS
APPLICANT: TOMMURU, MURALI K.R.
TITLE OF INVENTION: THE TAGA GENE AND METHODS FOR DETECTING
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/316,397B
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SPRATT, GWENDOLYN D.
REGISTRATION NUMBER: 36,016
REFERENCE/DOCKET NUMBER: 2200,030
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 859 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-316-397B-2

Query Match 6.4%; Score 77.5; DB 1; Length 859;
Best Local Similarity 20.8%; Pred. No. 11;
Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

OY 3 SGAMRHSKGFHGGI-----QVKNKKNRPSLSKLTQDNRPKSKCKP 45
DB 362 TGSQALSQEELQNKIDMEFLAQNNAKLDSLSEKEKEFRNEIDFQKDSKP----- 434
OY 46 LMGKVFYLD-LPSVTISEKLQDKIDLGRAVEEFLSKDISYL--ISNKEAKFAOTLGRI 102
DB 435 -----YLDALGNDRILAVSKKDPKH-SALITFEFKGDLSTYIAKMGKKQIK--ALDRE 484
OY 103 SPVPSESAATTAETTSPPHSDGSF-----KSPDT-VCLSRG----- 139
DB 485 KNV-----TLQNLKHDGVAFVSNFKYTNAKSPKGVGVTVNGVSHLEAGFSK 534
OY 140 -----KLVE-----KAIKDHPFIPSN-SILSNALSMG 166
DB 535 VAVENLPNLNLAITSVVRDLEDLKLAGLSPOEANKLVK--DPLSSNKELVGAALNPN 592
OY 167 VKLIHIDIRIYIEQKKKELYL---LKKSTSVRDGKRVSGAOKTRTGRLLKPPVAYE 223
DB 593 KAVAEAKMTGNYDEVKRAQKDLKSLKREHLEKDVAKNL-----ESKSGNKKMEAKAAQ 647
OY 224 DMSQSPAV 231
DB 648 ANSQKDEI 655

RESULT 13
US-09-034-306-2
Sequence 2, Application US/09034306
Patent No. 5876943
GENERAL INFORMATION:
APPLICANT: COVER, TIMOTHY L.
APPLICANT: BLASER, MARTIN J.
APPLICANT: HARRY KLEANTHOS
APPLICANT: TUMMURU, MURALI K.R.
TITLE OF INVENTION: THE TAGA GENE AND METHODS FOR DETECTING
TITLE OF INVENTION: PREDISPOSITION TO PEPTIC ULCERATION AND GASTRIC CARCINOMA
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034,306
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/316,397
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: SPRATT, GWENDOLYN D.
REGISTRATION NUMBER: 36,016
REFERENCE/DOCKET NUMBER: 2200,030
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 859 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-034-306-2

Query Match 6.4%; Score 77.5; DB 2; Length 859;
Best Local Similarity 20.8%; Pred. No. 11;
Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

OY 3 SGAMRHSKGFHGGI-----QVKNKKNRPSLSKLTQDNRPKSKCKP 45
DB 362 TGSQALSQEELQNKIDMEFLAQNNAKLDSLSEKEKEFRNEIDFQKDSKP----- 434
OY 46 LMGKVFYLD-LPSVTISEKLQDKIDLGRAVEEFLSKDISYL--ISNKEAKFAOTLGRI 102
DB 435 -----YLDALGNDRILAVSKKDPKH-SALITFEFKGDLSTYIAKMGKKQIK--ALDRE 484
OY 103 SPVPSESAATTAETTSPPHSDGSF-----KSPDT-VCLSRG----- 139
DB 485 KNV-----TLQNLKHDGVAFVSNFKYTNAKSPKGVGVTVNGVSHLEAGFSK 534
OY 140 -----KLVE-----KAIKDHPFIPSN-SILSNALSMG 166
DB 535 VAVENLPNLNLAITSVVRDLEDLKLAGLSPOEANKLVK--DPLSSNKELVGAALNPN 592
OY 167 VKLIHIDIRIYIEQKKKELYL---LKKSTSVRDGKRVSGAOKTRTGRLLKPPVAYE 223
DB 593 KAVAEAKMTGNYDEVKRAQKDLKSLKREHLEKDVAKNL-----ESKSGNKKMEAKAAQ 647
OY 224 DMSQSPAV 231
DB 648 ANSQKDEI 655

RESULT 14
US-09-259-437-2
Sequence 2, Application US/09259437
Patent No. 6153390
GENERAL INFORMATION:
APPLICANT: COVER, TIMOTHY L.
APPLICANT: BLASER, MARTIN J.
APPLICANT: HARRY KLEANTHOS
APPLICANT: TUMMURU, MURALI K.R.
TITLE OF INVENTION: THE TAGA GENE AND METHODS FOR DETECTING
TITLE OF INVENTION: PREDISPOSITION TO PEPTIC ULCERATION AND GASTRIC CARCINOMA
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/259,437
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/316,397
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: SPRATT, GWENDOLYN D.
REGISTRATION NUMBER: 36,016
REFERENCE/DOCKET NUMBER: 2200.030
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 859 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-259-437-2

Query Match 6.4%; Score 77.5; DB 4; Length 859;
Best Local Similarity 20.8%; Pred. No. 11;
Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

QY 3 SGAMRIHSGHFGGI-----QVKNENRPSLSKLTDRPEKSKCP 45
DB 382 TGSQRLSGEELQNKIDFMEFLAONNAKLDSLEKEKEKFRNEIKDFQKDKP----- 434
QY 46 LMGKVFYLD-LPSVTISEKLOKIDGGRVEEFLSKDISYL--ISNKKKAKFAOTIGRI 102
DB 435 -----YLDALGNDRILAFVSKKDKPRH-SALITEPNKGDLSYTLKWKQKQIK--ALDRE 484
QY 103 SPVPSPSAVYTAETTSPPHSDGSF-----KSPDT-VCLSRG----- 139
DB 485 KNV-----TLQGNLKHGVMFVYNSFKYTNASKSPNKGVGVTNGVSHLEAGPSK 534
QY 140 -----KLVE-----KAIKDHPIPSN-STLSNALSMG 166
DB 535 VAVFNLPLNNLIATSVVRDLEDKLIAGLSPOEANKLVK--DFLSSNKELYGKALNFN 592
QY 167 VKLIHIDIRYIEOKKKELYL--LKKSTSVRDGGRVSGAOKTRTGRLKKPEYKVE 223
DB 593 KAVAEAKNTGNDYEVRAQKDLKSLKREHLEKDVAKNL-----ESKSGNKNKMEAKAQ 647
QY 224 DMSQSPAV 231
DB 648 ANSQKDEI 655

RESULT 15
PCT-US93-09782-2
Sequence 2: Application PC/TUS9309782
GENERAL INFORMATION:
APPLICANT: COVER, TIMOTHY L.
APPLICANT: BLASER, MARTIN J.
APPLICANT: TUMMURU, MURALI K R.
TITLE OF INVENTION: THE TAGG GENE AND METHODS FOR DETECTING
TITLE OF INVENTION: PREDISPOSITION TO PEPTIC ULCERATION
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: 133 Carnegie Way, Suite 400
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/09782
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: SPRATT, GWENDOLYN D.
REGISTRATION NUMBER: 36,016
REFERENCE/DOCKET NUMBER: 2200.009
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 859 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US93-09782-2

Query Match 6.4%; Score 77.5; DB 5; Length 859;
Best Local Similarity 20.8%; Pred. No. 11;
Matches 64; Conservative 40; Mismatches 91; Indels 113; Gaps 15;

QY 3 SGAMRIHSGHFGGI-----QVKNENRPSLSKLTDRPEKSKCP 45
DB 382 TGSQRLSGEELQNKIDFMEFLAONNAKLDSLEKEKEKFRNEIKDFQKDKP----- 434
QY 46 LMGKVFYLD-LPSVTISEKLOKIDGGRVEEFLSKDISYL--ISNKKKAKFAOTIGRI 102
DB 435 -----YLDALGNDRILAFVSKKDKPRH-SALITEPNKGDLSYTLKWKQKQIK--ALDRE 484
QY 103 SPVPSPSAVYTAETTSPPHSDGSF-----KSPDT-VCLSRG----- 139
DB 485 KNV-----TLQGNLKHGVMFVYNSFKYTNASKSPNKGVGVTNGVSHLEAGPSK 534
QY 140 -----KLVE-----KAIKDHPIPSN-STLSNALSMG 166
DB 535 VAVFNLPLNNLIATSVVRDLEDKLIAGLSPOEANKLVK--DFLSSNKELYGKALNFN 592
QY 167 VKLIHIDIRYIEOKKKELYL--LKKSTSVRDGGRVSGAOKTRTGRLKKPEYKVE 223
DB 593 KAVAEAKNTGNDYEVRAQKDLKSLKREHLEKDVAKNL-----ESKSGNKNKMEAKAQ 647
QY 224 DMSQSPAV 231
DB 648 ANSQKDEI 655

Search completed: December 27, 2001, 16:54:04
Job time: 309 sec

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